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TO: Region V Representative
 FROM: Ken Theisen, OSC Region V
 DATE: Sept. 10, 1990
 SUBJECT: POLREP #8
 SITE: S.E. Rockford Site; I.D. #DK
 CONTRACT #: 68-01-7460
 DELIVERY ORDER #: 7460-05-132

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Results of U.S. EPA residential water samples taken to confirm data collected by the Illinois EPA (as reported in POLREP #7) have indicated the presence of three isolated "hot spots" of volatile organic compound (VOC) ground water contamination with levels exceeding various Removal Action Levels (RALs). The IEPA sampling was conducted as part of their Remedial Investigation sampling (RI), which could justify a project similar to the current U.S. EPA action, next year by the IEPA.

The new areas of contamination are located one to two and one half miles downgradient of the current project area. The chemicals involved in the new areas are similar to those presently being addressed and include trichloroethylene; 1,1,1-trichloroethane; and cis-1,2-dichloroethylene (over 2,400 ppb as compared to the RAL of 175 ppb). In several homes, new chemicals have appeared, including vinyl chloride (up to 122 ppb), which is a Class A carcinogen, and tetrachloroethylene. These additional chemicals and concentrations indicate the possibility of other plumes merging with the original "Southeast Rockford" plume.

In a worst case scenario, the three new areas of contamination will require and additional 70 homes be provided a safe source of drinking water. Seven homes with confirmed water contamination have been placed on bottled water. Additional sampling will be conducted to determine how many other homes might require assistance. Assistance will initially be in the form of bottled water and could conceivably be of a more permanent nature (city water) depending on the availability of funds under the present removal ceiling.

Work activity to date is as follows:

Activity	Projected	Actual	% Completed
Water Main	17,808 feet	17,935 feet	100%
Service Connections	250	227	91%
Plumbing Connections	269*	170	63%
Well Abandonment	260**	62	24%

* - 5 residents have refused to sign mandatory pre-annexation and well abandonment forms.

** - exact number yet to be determined.

Other work currently being accomplished includes road repair and landscaping.

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